



2006 – 2008 Energy Efficiency Programs

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Southern California Gas Company

Background

SoCalGas

- The principal distributor of natural gas in southern California
- Serves 19.8 million people through 5.6 million gas meters in more than 530 communities

SDG&E

- Operates in San Diego County and the Southern portion of Orange County
- Serves approximately 1.3 million electric customers and approximately 775,000 gas customers



SoCalGas is approximately 20,000 sq. miles.
SDG&E is approximately 4100 sq. miles

2006 - 2008 Objectives

Exceed the goals established by the CPUC by:

- Making it easy for customers to participate in our programs
- Integrating our customer outreach on energy efficiency, demand response and renewable technologies
- Working cooperatively with and leveraging the capabilities of:
 - Our community partners
 - Third-party program providers
 - Trade allies
- Seeking out and developing new and innovative program offerings
- Asking for and reacting to feedback on our performance from stakeholders
- Benchmarking our performance against other service providers



Highlights of Demand Side Portfolio

Make it easier to participate:

- Increased “point-of-purchase” incentives
- On-line applications (in development)
- On-bill financing
- Broader participation in SCG Programs
 - Partnering with Munis and SCE in program implementation
 - Expanding SCG program to Non-Core customers

Integrating customer outreach:

- Internal re-organization
- Integrated EE/DR audits
- Sustainable Communities Expansion
- Advanced Home New Construction Program
- Advanced Home Renovation Program

Highlights of Demand Side Portfolio

Working cooperatively with partners

- Community Collaboratives:
 - City of Santa Monica Civic Center
 - City of San Diego,
 - County of San Diego,
 - Chula Vista
 - San Diego County Water Authority and City of San Diego Water Resources
 - San Diego Regional Energy Office
- Incorporation of third party programs in the utility portfolio
- Assisting state to achieve Green Building Initiative goals

2006-2008 EE SoCalGas/SDG&E Goals and Budgets

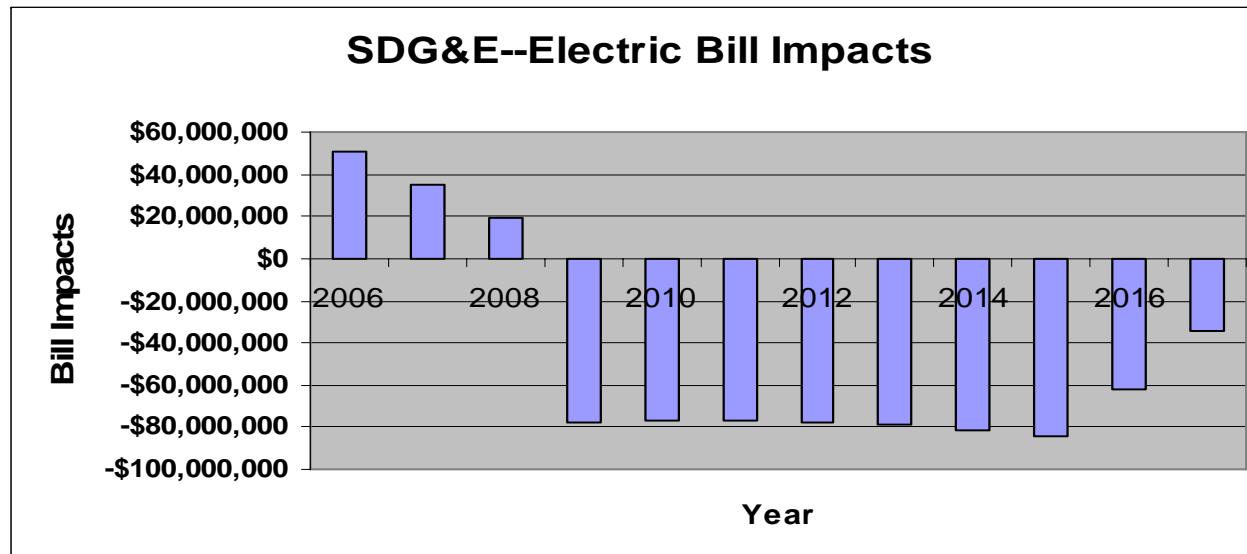
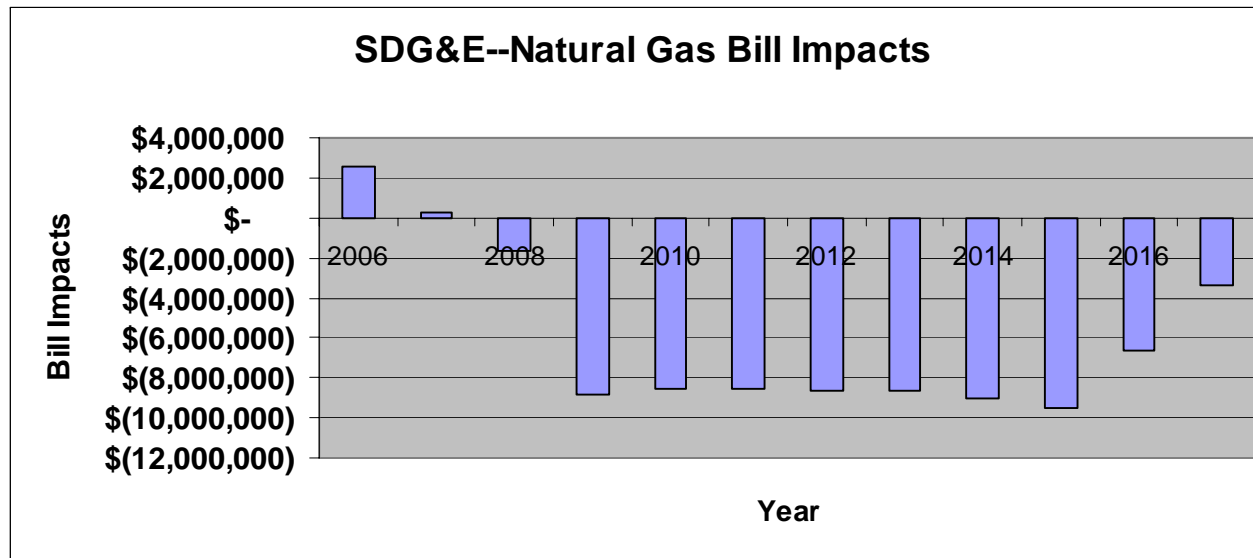
♦ SoCalGas

	2006 - 2008
Total Budget (\$1,000)	\$ 182,435
Net Lifecycle Benefits (\$1000)	\$ 108,915
Energy Goals (Mtherms)	57,300

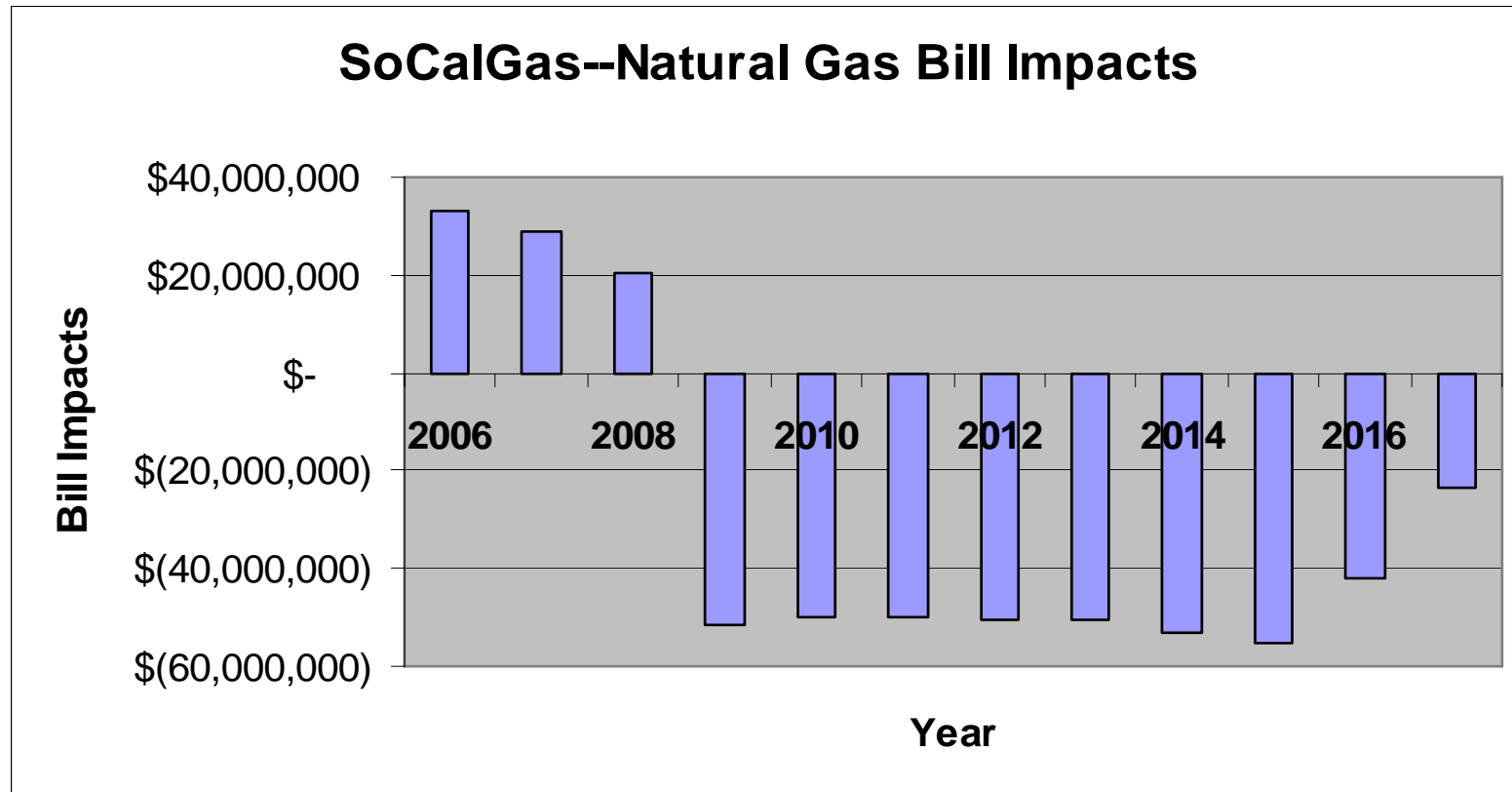
♦ SDG&E

	2006 - 2008
Electric Budget (\$1,000)	\$ 258,674
Natural Gas Budget (\$1,000)	\$ 19,470
Total	\$ 278,143
Net Lifecycle Benefits (\$1,000)	\$ 304,772
Energy Efficiency Goals	
Energy (GWH)	849
Energy (Mtherms)	9,500

Forecasted Lifecycle Bill Impacts (SDG&E)



Forecasted Lifecycle Bill Impacts (SCG)

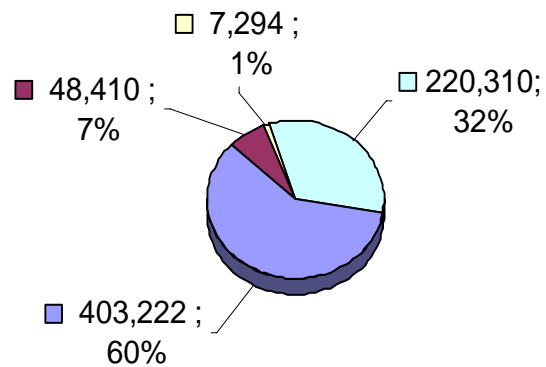


Projected Greenhouse Gas Emission Savings

	2006 - 2008
SoCalGas	
Lifecycle CO2 Emission Reductions (1000 tons)	5,547
Lifecycle NOx Emission Reductions (1000 tons)	7
Lifecycle SO2 Emission Reductions (1000 tons)	n/a
No. Of Cumulative Cars Taken of the Road/Year	63,747
SDG&E	
Lifecycle CO2 Emission Reductions (1000 tons)	6,360
Lifecycle NOx Emission Reductions (1000 tons)	0
Lifecycle SO2 Emission Reductions (1000 tons)	n/a
No. Of Cumulative Cars Taken of the Road/Year	82,628

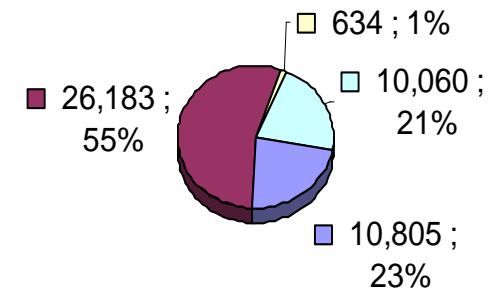
Program Support for Green Building Initiative

SDG&E
2006-2008 Green Building Initiative
(MWH)



9% of the Commercial savings are expected from State buildings.

SoCalGas
2006-2008 Green Building Initiative
(MTherms)



3% of the Commercial savings are expected from State buildings.



The following are some of the programs available to provide assistance/incentives to achieve the objectives of the GBI:

- Standard Performance Program, Business Energy Efficiency Program
- Express Efficiency, Savings By Design, Small Business Super Saver,
- Building Operator Certification, Commercial Audits.



Program Support for Green Building Initiative (Cont'd)

- All state facilities are eligible to participate in programs.
- All state facility managers can participate in various education programs
- Actively participating in statewide committees with the CEC, state entities, BOMA, DOE/EPA ENERGY STAR® on
 - Strategy
 - Benchmarking,
 - Commissioning and retrocommissioning
 - Working with DGS and NAESCO to develop an Action Plan to support a longer term, "robust" statewide effort
- Current Partnerships:
 - UC/CSU
 - Department of Corrections & Rehabilitation



Year-to-Date Savings

	Installed Savings	Committed Savings	Total Savings	% of 2006 Goal
SoCalGas				
Therms	2,823,782	3,480,713	6,304,495	19%
SDG&E				
KWH	18,584,752	36,886,557	55,471,309	20%
KW	4,557	7,681	12,238	22%
Therms	163,716	147,473	201,189	7%

*These reported savings do not include LIEE savings achieved to date but include the Codes & Standards savings.

**The committed savings represent projects/customer applications in-progress. The committed savings do not include long-term commitments (e.g., new construction projects) that will install beyond 2008.

Partnership Update

- SoCalGas:

- 3 statewide partnerships: UC/CSU, CCC, CDCR
- 6 local partnerships: LA County, Ventura County REA, South Bay CCOG, Energy Coalition (PEAK/Direct Install), CUWCC, Bakersfield
- One contract signed (SBCCOG), all others but CDCR are near final.

- SDG&E:

- 3 statewide partnerships: UC/CSU, CCC, CDCR
- 5 local partnerships: City of SD, County of SD, City of Chula Vista, SD County Water Authority, SDREO.
- All partners have draft contracts or are operating under MOU's.

Competitive Bid Update

SoCalGas

- SoCalGas selected 13 programs out of 76 proposals through its competitive bid solicitation.
- Of these 13, SoCalGas is jointly implementing 7 programs with SCE.
- SoCalGas is currently in negotiations with its selected non-utility providers and has 5 contracts ready for signature.

SDG&E

- SDG&E selected 18 programs out of 182 proposals through its competitive bid solicitation.
- SDG&E is currently in negotiations with its selected non-utility providers and has 8 contracts ready for signature.



Appendix

SoCalGas 2006-2008 Energy Efficiency Programs

Programs Reporting Energy and Demand Savings	
Multi-Family Rebate Program	Targets property owners and managers with multifamily residential dwellings, homeowners associations and mobile home park associations. The program encourages property owners and managers to install qualifying energy efficiency products in individual ten
Advanced Home Program	A comprehensive residential new construction concept with a cross-cutting focus to sustainable design and construction, green building practices and emerging technologies.
Third Party Programs	
Express Efficiency Rebate Program	Continuation and expansion of statewide Express Efficiency Program and collapsed statewide Nores. Audit into it.
Local Business Energy Efficiency Program	Custom local non-residential incentive programs. Includes local non-residential rebates for measures not covered by other programs."
Home Efficiency Rebate Program (SF Rebate Program)	An existing statewide program designed to help residential customers reduce their natural gas energy usage by replacing inefficient appliances with new energy-efficient appliances and weatherizing their homes
Savings By Design SCG SCE Program	Based on prior SBD effort, funds gas measures with electric measures by SCE, whole building and systems approach
Savings By Design SCG Muni Program	Based on prior SBD effort, funds gas measures with electric measures by Municipal Electric Utilities, whole building and systems approach
Sustainable Communities Demo/City of Santa Monica	Joint effort with SCG, SCE the Energy Division, and the City of Santa Monica for more efficient and sustainable communities that include efficiency, transportation, gray water use etc.
Partnership Programs	
IOU/Community College Partnership	These programs are collaborations with various local and state agencies to deliver energy efficiency services to their constituents.
CA Department of Corrections Partnership	
IOU/UC/CSU Partnership	
South Bay Cities EE Center	
Bakersfield/Kern Energy Watch	
LA County/SCE/SCG Partnership	
Energy Coalition	
Ventura REA	
Partnership Programs	



SoCalGas 2006-2008 Energy Efficiency Programs

Programs without Reported Savings	
Home Energy Efficiency Survey	An existing statewide program that provides residential customers the opportunity to participate in mail-in, online, and in-home analysis of their home energy use.
Codes & Standards Program	Promotes upgrades and enhancements in energy efficiency standards and codes.
Education & Training Program	Promotes energy efficiency to a variety of customers segments through energy centers and other informational programs.
Energy Efficiency Delivery Channel Innovation Prog	A cross-cutting marketing program that will increase customer understanding of the SoCalGas energy efficiency portfolio and make adoption of energy efficiency measures and practices easier.
Emerging Tech Program	Works to move new commercial introduction of energy-efficient technologies, applications, and analytical tools into the market so they can be used by confirming energy impacts.
Statewide Marketing & Outreach	General statewide awareness program to stimulate awareness and energy saving actions.
On-Bill Financing for Energy Efficiency Equipment	Pilot test of on-bill financing for efficiency investments to compliment other programs.

SDG&E 2006-2008 Energy Efficiency Programs

Programs without Reported Savings	
Codes & Standards Program	Promotes upgrades and enhancements in energy efficiency standards and codes.
Emerging Tech Program	Works to move new commercial introduction of energy-efficient technologies, applications, and analytical tools into the market so they can be used by confirming energy impacts.
Statewide Marketing & Outreach	General statewide awareness program to stimulate awareness and energy saving actions.
On-Bill Financing for Energy Efficiency Equipment	Provides easy access to financing energy efficiency measures and incorporate payments into energy bills.
Residential Customer Education & Information	Provides education and information through several program components: Home Energy Efficiency Survey (HEES) a statewide education and information based program; Home Energy Comparison Tool (HECT); the PEAK Student Energy Action Program (PEAK) a partnershi
Partnership Programs	
IOU/Community College Partnership	The SDG&E/California Community Colleges program is a new statewide nonresidential program that will be very similar to the existing SDG&E UC/CSU Partnership program. The program will offer incentives for retrofit and new construction projects, continuous
CA Department of Corrections Partnership	The SDG&E/California Department of Corrections program is a new statewide nonresidential program that will be very similar to the existing SDG&E UC/CSU Partnership program. The program will offer incentives for retrofit projects, continuous commissioning
IOU/UC/CSU Partnership	The SDG&E, University of California and California State University (SDG&E/UC/CSU) program is an existing statewide nonresidential program that will continue in the 2006 through 2008. The program will continue to offer incentives for retrofit projects, c
City of Chula Vista, City of San Diego and County of San Diego Partnerships	A partnership between SDG&E these three local governments. The program aims to enable the cities, residents, developers, and Southbay cities to implement energy efficiency and conservation measures by overcoming existing barriers. The program also aims
SDREO Energy Resource Center Partnership	A collaborative effort between SDREO's Energy Resource Center and SDG&E's statewide Education and Training Program. SDERC is a local program that provides energy efficiency information, education and outreach. The combined program will serve both the re
San Diego Co. Water Authority Partnership *	The high-efficiency clothes washer component of the Voucher Incentive Program offers point-of-purchase vouchers to encourage consumers to purchase high-efficiency clothes washers. Water customers of participating water agencies are eligible as long as vo

SDG&E 2006-2008 Energy Efficiency Programs

Programs Reporting Energy and Demand Savings	
Savings By Design	A statewide non-residential new construction program that promotes integrated design and emphasizes early design involvement by offering building owners and their design teams a wide range of services including education, design assistance, and owner ince
Energy Savings Bids	An existing local incentive program designed for large commercial or industrial energy-efficiency projects including the military and public agencies. Projects may include large individual sites or an aggregation of smaller sites. Incentives will be pro
Express Efficiency Rebate Program	Rebate for prescriptive retrofit measures for commercial customers with a monthly demand of over 100kW or average monthly consumption of 20,800 therms
Small Business Super Saver	Rebate for prescriptive retrofit measures for commercial customers with a monthly demand of under 100kW or average monthly consumption of 20,800 therms
Standard Performance Program	A statewide non-residential energy efficiency incentive program for non-prescriptive measures. SPC targets mid to large-sized customers but will accommodate small non-residential customers that cannot be served by other programs.
Third Party Programs *	
Upstream Lighting Program **	Provides rebates to consumers via manufacturer-to-retailer discounts or buy-downs to motivate consumers to purchase and install qualifying energy-efficient lighting products.
Advanced Home Program *	A comprehensive residential new construction concept with a cross-cutting focus to sustainable design and construction, green building practices and emerging technologies.
Sustainable Communities Program	Promotes sustainable development that incorporates high performance energy efficiency and demand reduction technologies, along with clean on-site generation, water conservation, transportation efficiencies and waste reduction strategies
Lighting Exchange and Education	Customers exchange inefficient lights for efficient lights via neighborhood targeted out reach
Limited Income Refrigerator Replacement	Provides no cost refrigerators to customers just above LIEE funding limits
Multi-Family Rebate Program	Provides incentive to get measures installed in both common space and in occupants units.
Single Family Rebate Program **	Provides rebates and point of purchase discounts for selected energy-efficient residential measures and equipment.

Statewide Partnerships

- **California Department of Corrections & Rehabilitation Partnership**

The CDCR/IOU Partnership will consist of several components, which will include Retrofits, New Construction, and Retro-Commissioning projects. The partnership will also focus on Training and Education, which will provide information on best practices for energy efficiency management and conservation practice that targets not only the maintenance and operations staff but also on the wardens and other end-users at each of the facilities.

- **California Community Colleges/IOU Partnership**

The CCC/IOU Partnership Program will include the implementation of Retrofits, New Construction, and Retro-Commissioning (RCx)/Monitoring-Based Commissioning (MBCx) projects. The Program will also focus its efforts on Training and Education, which will expand existing vocational education programs, while training faculty and staff on best practices on energy efficient technology implementation and energy management.

- **UC/CSU/IOU Partnership Program**

The UC and CSU systems consume vast quantities of energy and, as a combined entity, make up a significant portion of the both the electric and natural gas load in the State of California. They are large, complex organizations with a broad set of goals, stakeholders, processes and constituencies. They are diverse from a geographic, climate, and operational needs standpoint. But with this size and diversity also comes a considerable opportunity to save energy use and cost on a scale that is meaningful to the IOUs and to California. The UC/CSU/IOU Energy Efficiency Partnership program is designed to meet these challenges.



SoCalGas/SCE Partnerships

- **LA County Partnership**

This partnership program will continue to achieve immediate electric and gas energy savings and peak demand reduction at county facilities. These energy savings will be accomplished by applying the retro-commissioning (RCx) processes that will result in the implementation of recommended energy efficiency measures to optimize the operation of HVAC and Lighting systems in each building.

- **Ventura County Partnership**

The partnership will find new opportunities for providing energy efficiency services to public agencies and community asset organizations within the region.

- **South Bay Partnership**

The South Bay Partnership will optimize the opportunities for the fifteen local governments of the South Bay and their communities to work toward the common goal of achieving short- and long-term energy savings, reduced utility bills, and an enhanced level of comfort in municipal and commercial buildings as well as homes.

- **Bakersfield & County of Kern Energy Watch**

The Bakersfield and Kern County Energy Watch Partnership was designed to achieve immediate, long-term peak energy and demand savings and establish a permanent framework for sustainable, long-term, comprehensive energy management programs and set the foundation for sustainability and best practices for the partnership's participating jurisdictions and customers.

- **Santa Barbara County Energy Watch**

The program will assist and facilitate residents and businesses and other city and county government officials in understanding, managing, and reducing their energy use and costs, and position the partners as leaders in the region in energy management practices.



SoCalGas/SCE Partnerships (Cont'd)

- **Community Energy Partnership Program**

CEP is a demonstration program modeling how an effective city government and utility relationship can generate real and sustained energy savings through direct measures, educational curricula, community awareness efforts, efficient product distributions and promotions to residential and small commercial customers. It is purposely broad and is a continually evolving set of initiatives in the partner communities to raise awareness about energy efficiency.

- **San Gabriel Valley Cities formerly Pomona Inland Valley**

SGVEEP is a continually evolving set of initiatives in the partner communities to raise awareness about efficiency, and to get efficient products into the hands and homes and small businesses. It is purposefully broad and continually evolving to find ways of primarily working with people – not technology -- and includes education, training, direct installations, as well as marketing and outreach, and efficient product distributions and promotions.

- **County of Riverside**

This partnership program will deliver immediate electric and gas energy savings and peak demand reduction in Riverside County facilities. These energy savings will be accomplished by implementing retrofit and modernization projects utilizing SCE's traditional programs such as Standard Performance Contract (SPC), SCG/SCE Savings by Design and will also include a pilot retro-commissioning (RCx) project in one of the Counties buildings.

- **Local Government Energy Action Resources Program**

Government Energy Action Resources program (GEAR) will optimize the opportunities for jurisdictions and their communities to work toward the common goal of achieving short and long-term energy savings, reduced utility bills, and an enhanced level of comfort in municipal and commercial buildings as well as homes.



SoCalGas/SCE Partnerships (Cont'd)

- Mammoth Lakes

The Mammoth Lakes partnership will implement the LGEAR concept to work with the local government to optimize the opportunities to work toward the common goal of achieving short and long-term energy savings, reduced utility bills, and an enhanced level of comfort in municipal and commercial buildings as well as homes.

- Ridgecrest (GEAR)

The Ridgecrest partnership will implement the LGEAR concept to work with the local government to optimize the opportunities to work toward the common goal of achieving short and long-term energy savings, reduced utility bills, and an enhanced level of comfort in municipal and commercial buildings as well as homes.



SoCalGas/California Urban Water Conservation Council Partnership

The Pre-rinse Spray Valve Installation Program is a direct-install program that replaces high energy and water use pre-rinse spray valves with more efficient models. There is no cost to participants. Due to the direct installation format and zero costs to the customer, the Pre-rinse Spray Valve Program doubles the natural attrition rate of high flow valves. The program is a high response (50%+ response) with high customer service ratings for Southern California Gas Company.

SDG&E Local Government and Agency Partnerships

City of San Diego, City of Chula Vista, County of San Diego:

- Expedited Permitting for Construction (New or Retrofit)
- Outreach & Education
- Peer-to-Peer
- Facility Management

San Diego County Water Authority & City of San Diego Water Resources

- Rebates for Commercial & Residential clothes washers, pre-rinse spray heads
- Integrated water & energy audits
- Joint research efforts for hot water circulating motors, energy savings resulting from water pumping & filtering due to water conservation.

SDG&E Education & Training Partnership

Collaborative effort between two existing successful programs—the San Diego Regional Energy Office (SDREO) Energy Resource Center and SDG&E's statewide Education and Training program

Comprehensive training portfolio, which will include workshops, training seminars and promotional events

SoCalGas/SDG&E Filings

More details on SoCalGas and SDG&E programs are available on

- SoCalGas EE Filing is available on

<http://socalgas.com/regulatory/tariffs/tm2/pdf/3588.pdf>

- SDG&E's EE Filing is available on

<http://sdge.com/tm2/pdf/1769-E.pdf>